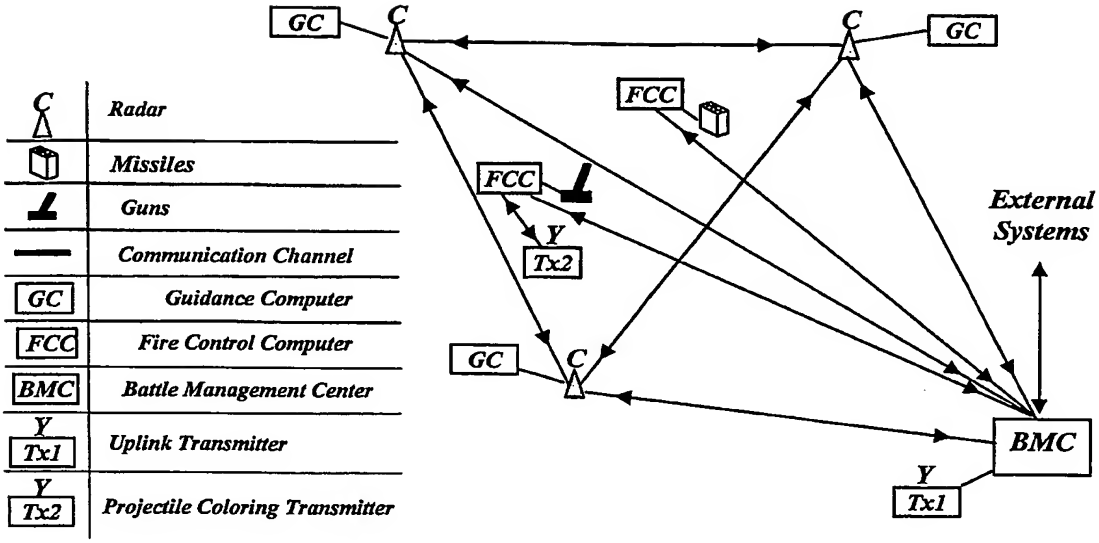


Figure 1

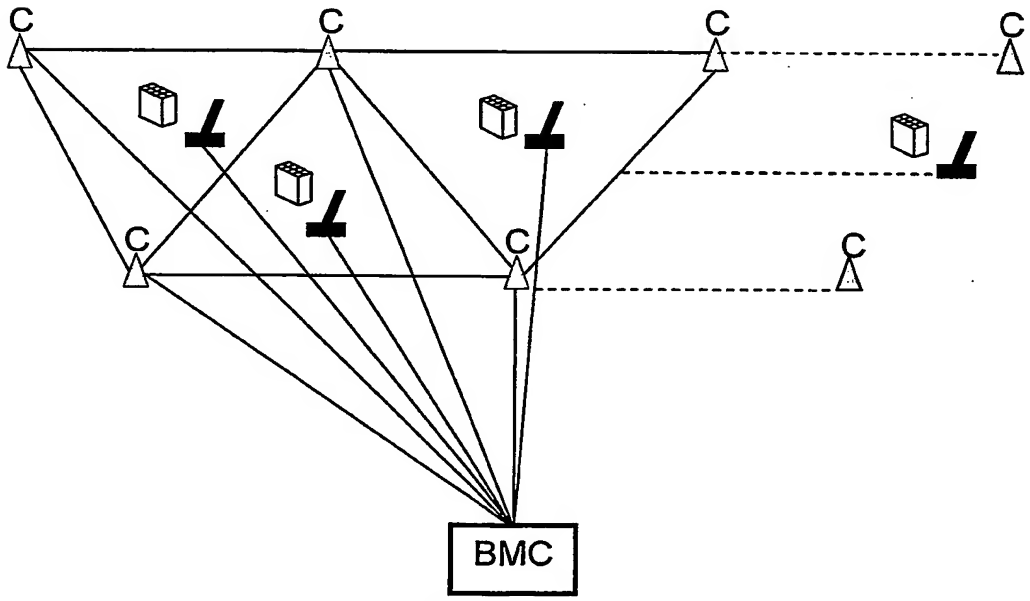


Figure 2

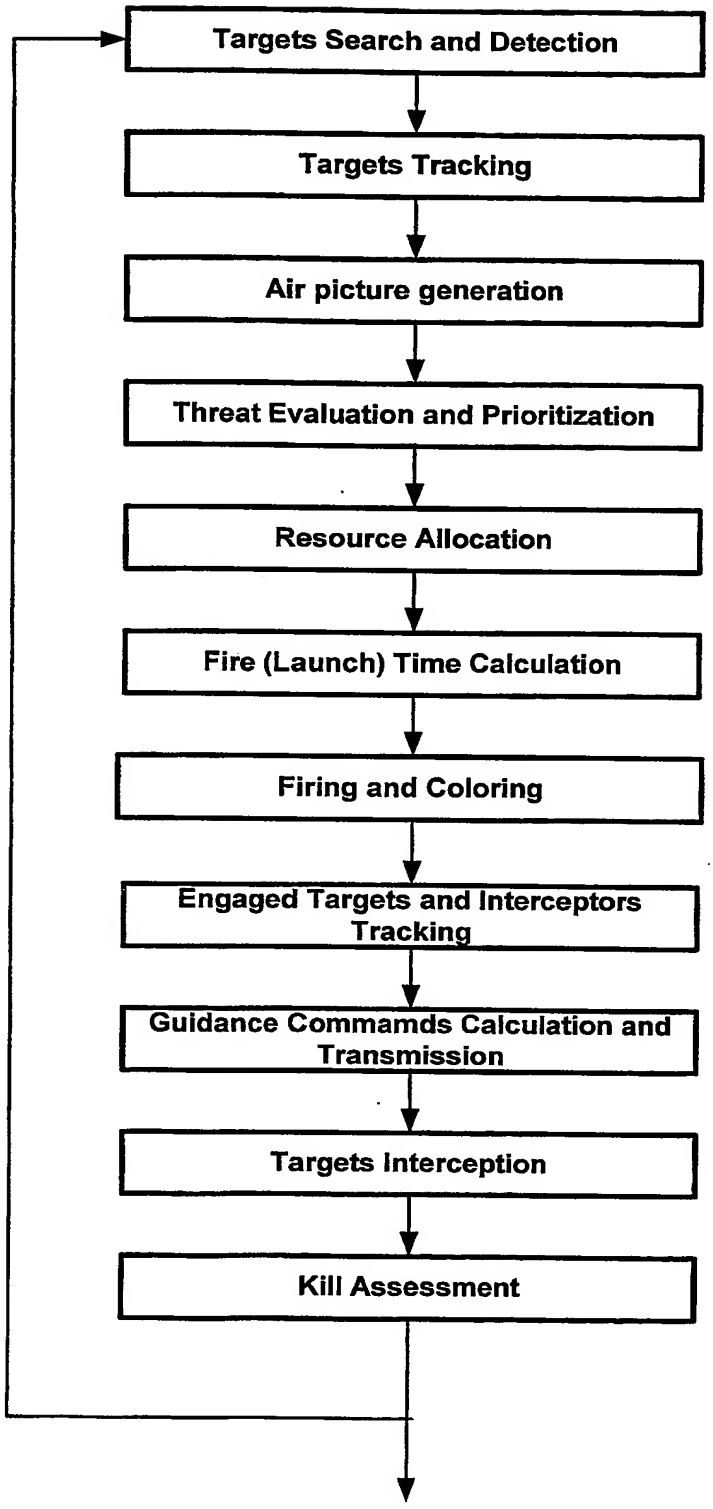

Targets Search and Detection
Targets Tracking
Air picture generation
Threat Evaluation and Prioritization
Resource Allocation
Fire (Launch) Time Calculation
Firing and Coloring
Engaged Targets and Interceptors Tracking
Guidance Commamds Calculation and Transmission
Targets Interception
Kill Assessment

Figure 3

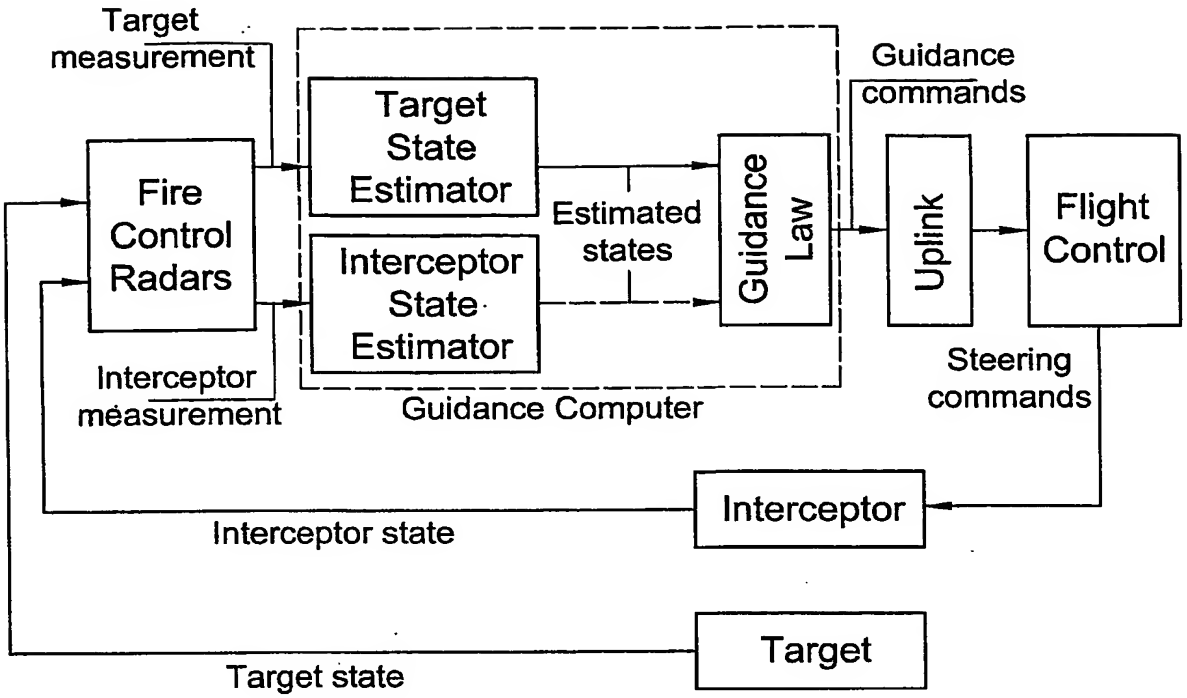

Target measurement
Target State Estimator
Guidance commands
Fire Control Radars
Estimated states
Guidance Law
Uplink
Flight Control
Interceptor State Estimator
Interceptor measurement
Guidance Computer
Steering commands
Interceptor
Interceptor state
Target
Target state

FIG. 4

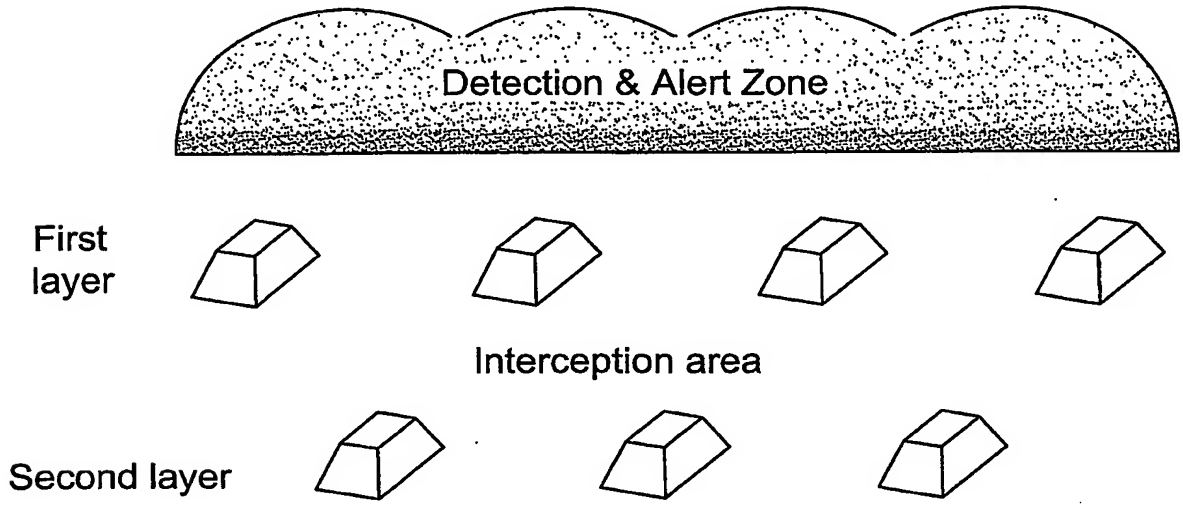

Detection & Alert Zone
First layer
Interception area
Second layer

FIG. 5

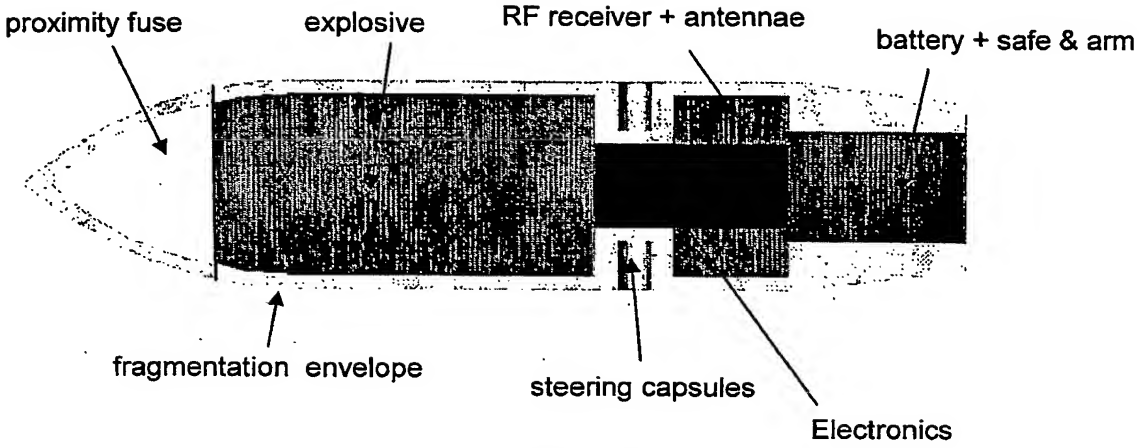
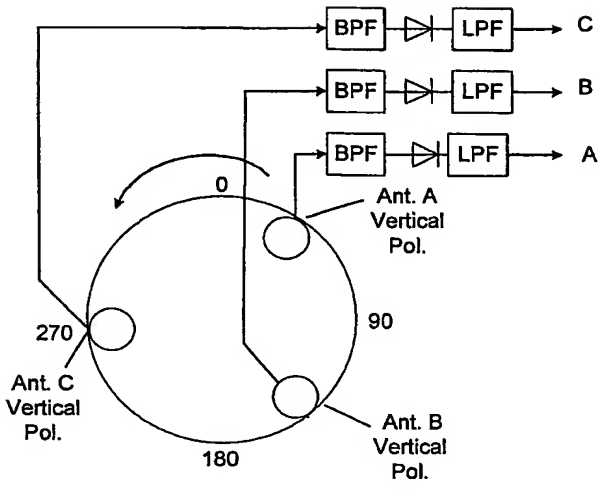


Figure 6

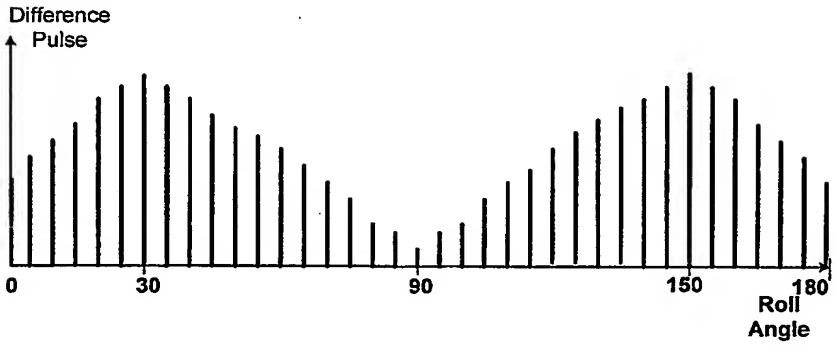
BEST AVAILABLE COPY



a) Communication Section

Sigma = A+B

Difference Pulse $= \frac{|A - B|}{Sigma}$



b) Roll Measurement Algorithm

Figure 7